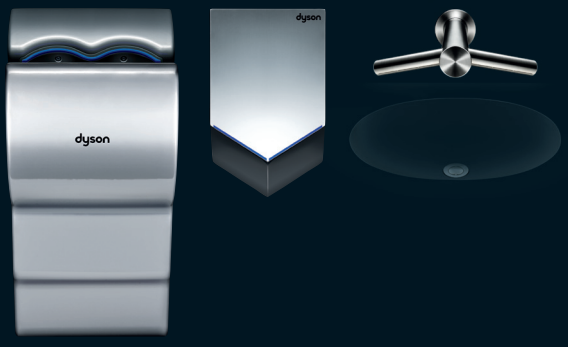
dyson airblade

The fastest, most hygienic hand dryers.

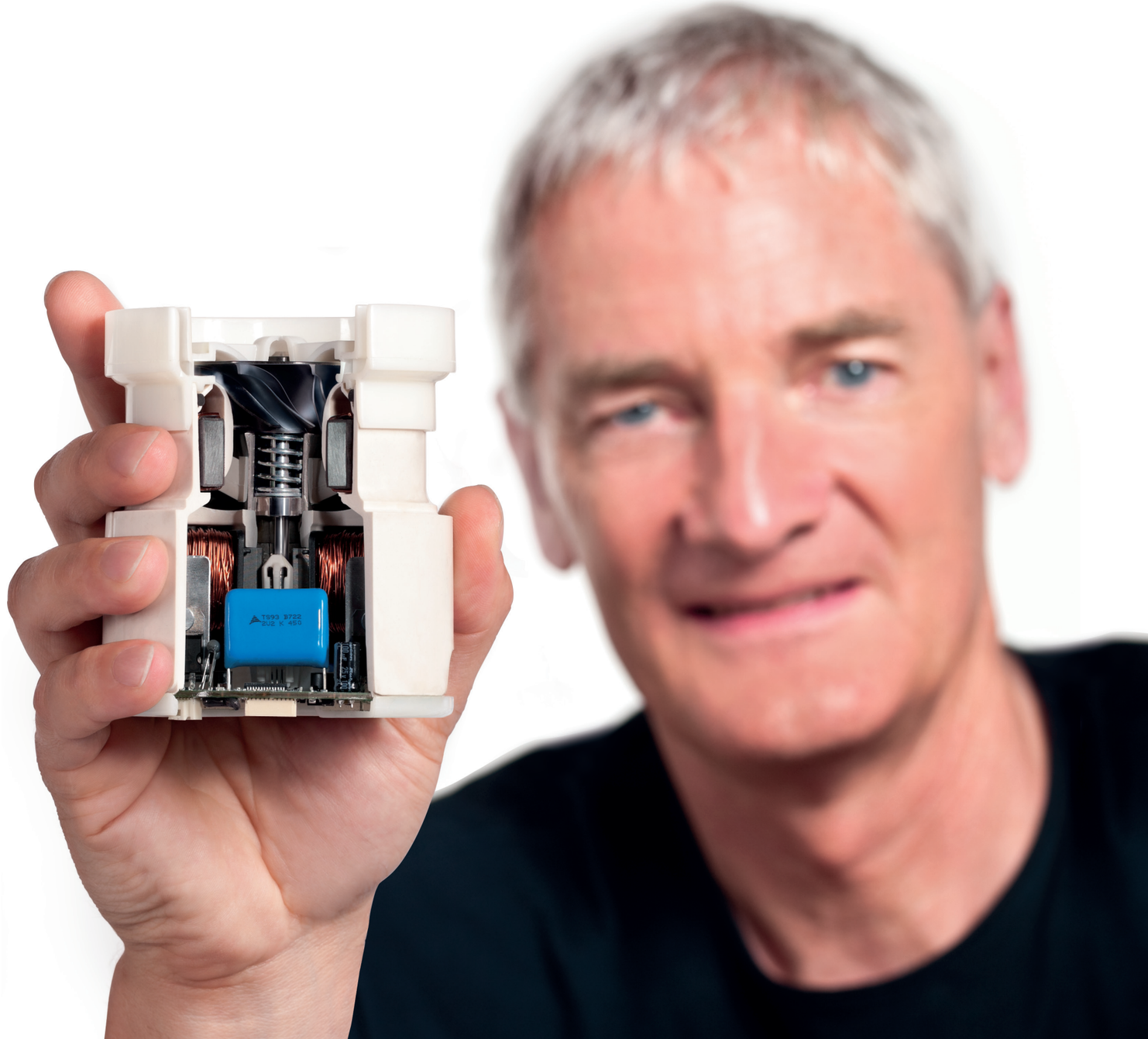


"It's been seven years in the making but we've now achieved something quite revolutionary in motor design – one of the world's smallest fully-integrated 1400W motors.

It was just the starting point for our latest hand drying technology."

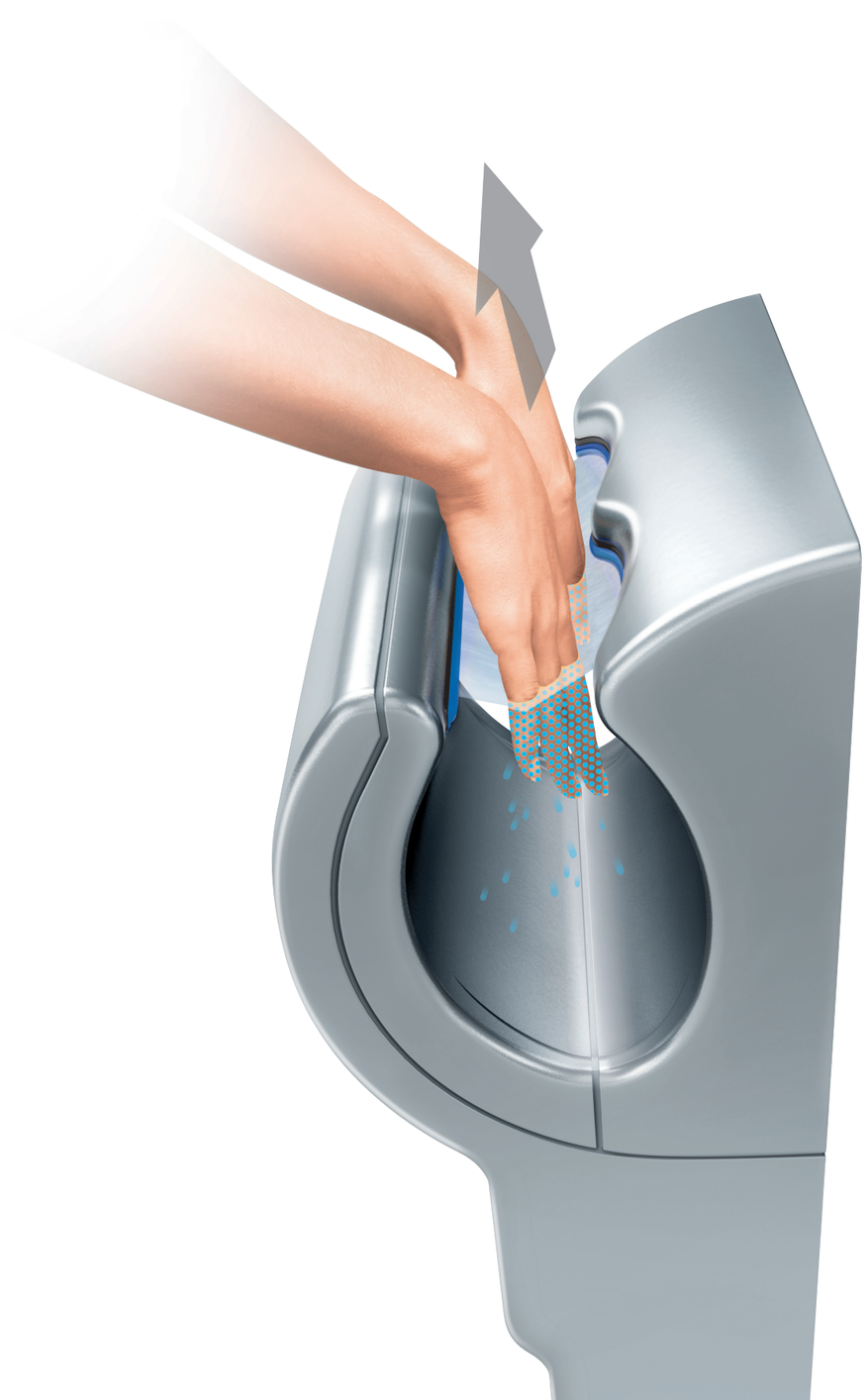
James Dyson

Inventor



Powered by the
Dyson digital motor V4

dyson airblade Mk2



Concentrated Airblade™ hand drying technology

dyson airblade V

Airblade™ hand drying technology in a tap

dyson airblade tap

43 sec

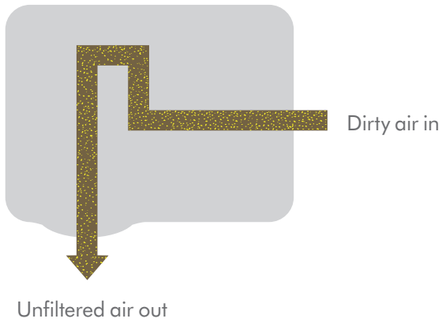
Most other hand dryers are too slow
Testing based on NSF Protocol P335 shows that most other hand dryers are much slower than they claim. Many people give up when using a slow hand dryer. But damp hands can spread up to 1,000 times more bacteria than dry hands.

12 sec

12 sec

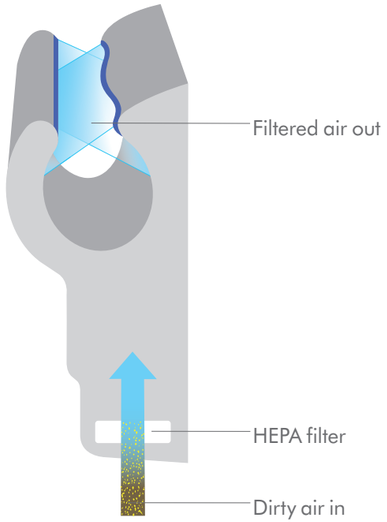
14 sec

Dyson hand dryers are the fastest
Testing based on NSF Protocol P335, proves that Dyson Airblade™ hand dryers are the fastest. Every second, up to 28 liters of air are forced through apertures up to 0.8 mm wide. The result – 420 mph sheets of air that scrape water from hands, drying them quickly and hygienically.



Most other hand dryers are unhygienic

They don't filter bacteria from the restroom air. They suck in dirty air then blow it back onto hands.



The most hygienic hand dryers

The Dyson Airblade™ hand dryers use HEPA filters removing 99.97% of bacteria at 0.3 microns from the air used to dry hands. So hands are dried using cleaner air, not dirty air.

$1,460
per year

$157
per year

Other methods of hand drying are expensive to run

Paper towels need restocking and disposal. Most other hand dryers are slow so they're energy-hungry.

$40
per year

$43
per year

$48
per year

Lowest running costs

The Dyson Airblade™ hand dryers cost up to 69% less to run than other hand dryers per year, and up to 97% less than paper towels.[1]

1 For calculations visit www.dysonairblade.com/calcs

17.8g
per dry

15.7g
per dry

5.2g
per dry

5.3g
per dry

5.8g
per dry

High impact on the environment

Dyson Airblade™ hand dryers produce up to 73% less CO_2 than some other hand dryers and up to 69% less than recycled paper towels.[1]

Low impact on the environment

The Dyson Airblade hand dryers have a lower environmental impact across measures including carbon emissions and energy consumption.[1]

1 Based on LCA results of Dyson Airblade™ hand dryer with method developed in conjunction with Carbon Trust, and comparable results from T. Montalbo, J.Gregory, R.Kirchain. Life Cycle Assessment of Hand Drying Systems. A Dyson commissioned study 2011. Data taken from U.S. environmental statistics including electricity grid mix and recycling practices and relating to models AB02 and AB04.

The problem with paper towels

Blockages
Paper towels can clog plumbing systems.

Overflowing trash cans
Used towels can end up on the floor of busy restrooms.

Empty dispensers
Dispensers can be left empty leaving no way to dry hands.

High operating costs
They need restocking and disposal.

Wasteful
Used paper towels are rarely recycled, so they end up in landfill or are incinerated.

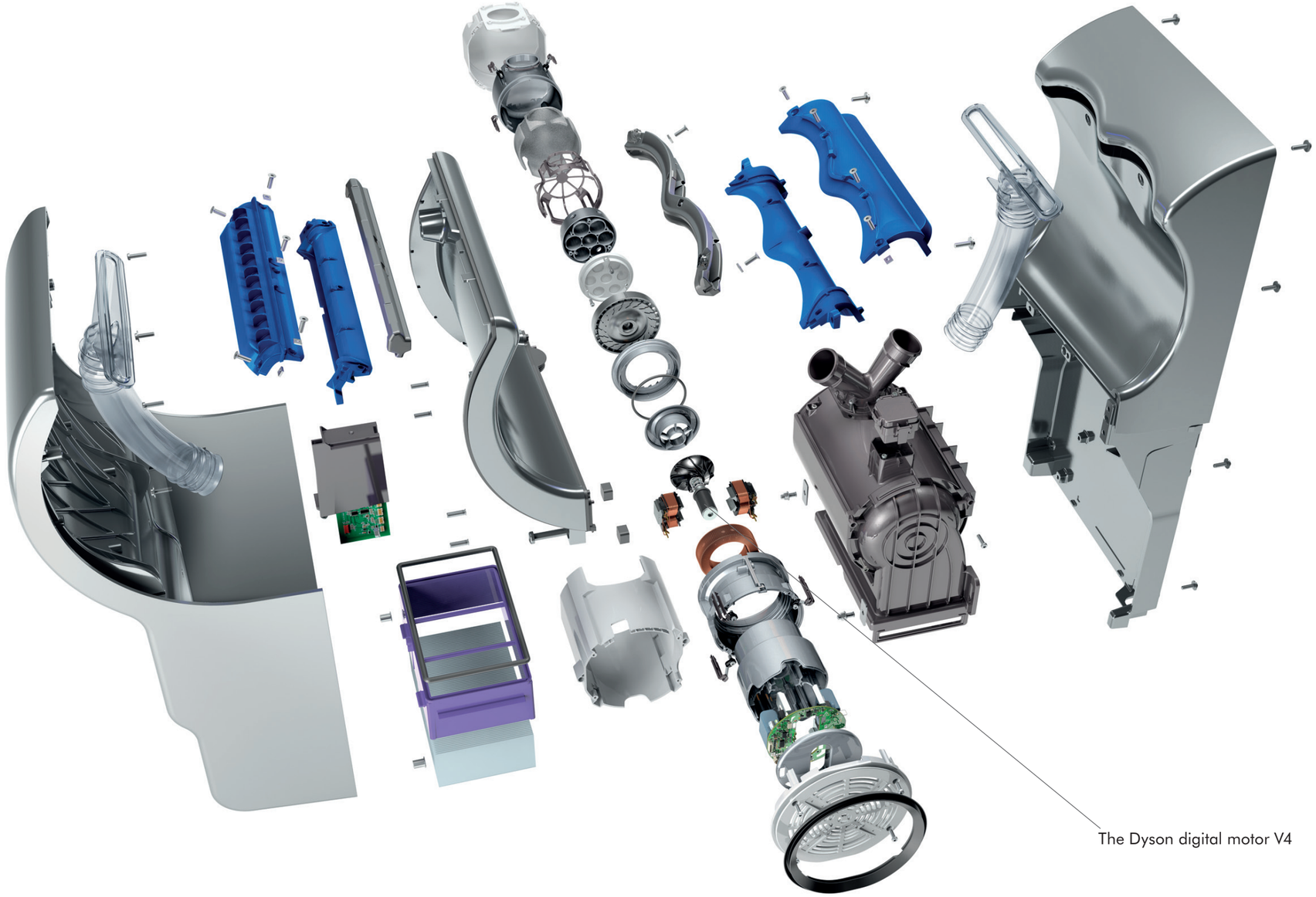
Create mess
Paper towels are often discarded without care and can create a negative impression of restroom cleanliness.

*Recreated to represent a restroom at peak usage.

dyson airblade Mk2

Powered by the Dyson digital motor V4

Airblade™ technology combined with the Dyson digital motor V4 creates high speed sheets of air that scrape water from both sides of hands simultaneously, drying hands in just 12 seconds.



The most hygienic hand dryer

The Dyson Airblade Mk2 hand dryer dries hands in just 12 seconds. It's the fastest hand dryer. It also has touch-free operation, uses a HEPA filter and has a lifetime antimicrobial coating to protect the product.

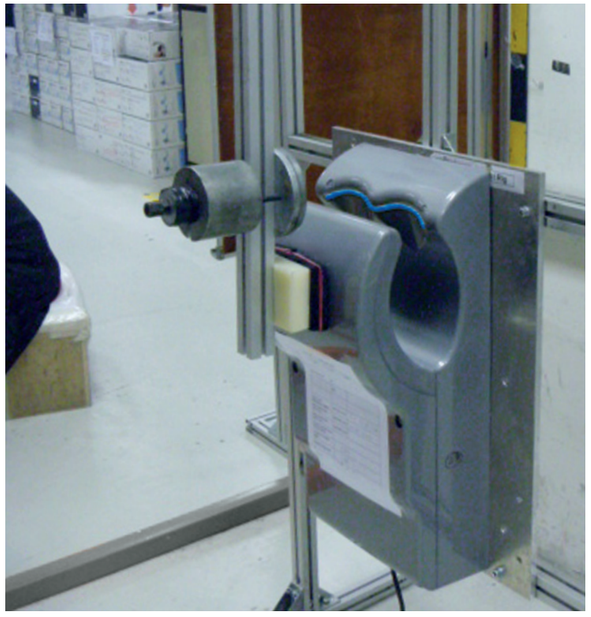
Approved for use in food environments by HACCP International.

Test. Test. Test.

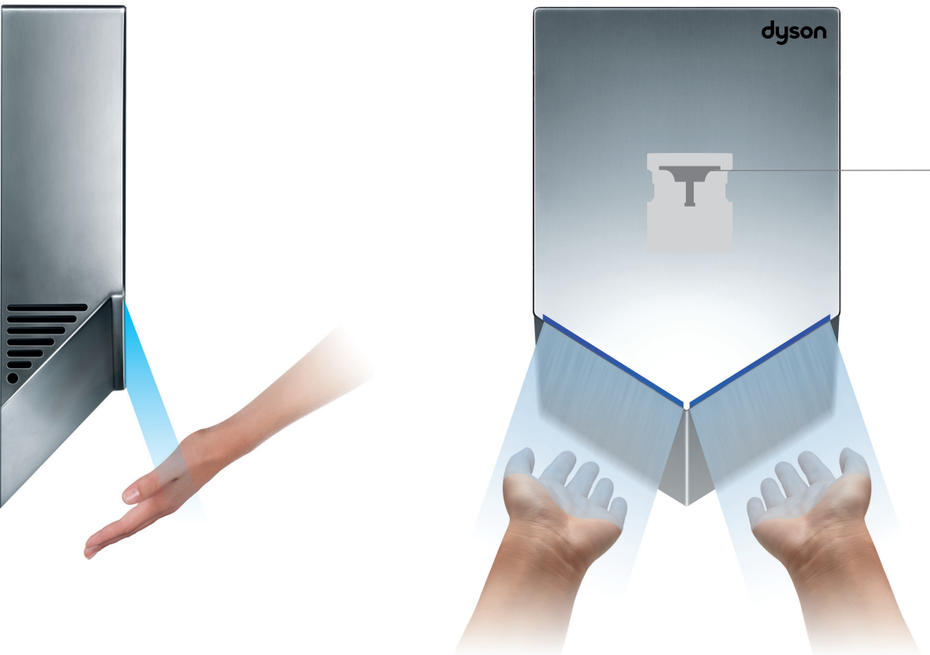
The Dyson Airblade Mk2 hand dryer is engineered to last. It has been repeatedly tested for durability and resilience to physical and chemical abuse. Dyson Airblade Mk2 hand dryers have also been exposed to real-life environments to ensure that they can withstand the pressures of high usage.

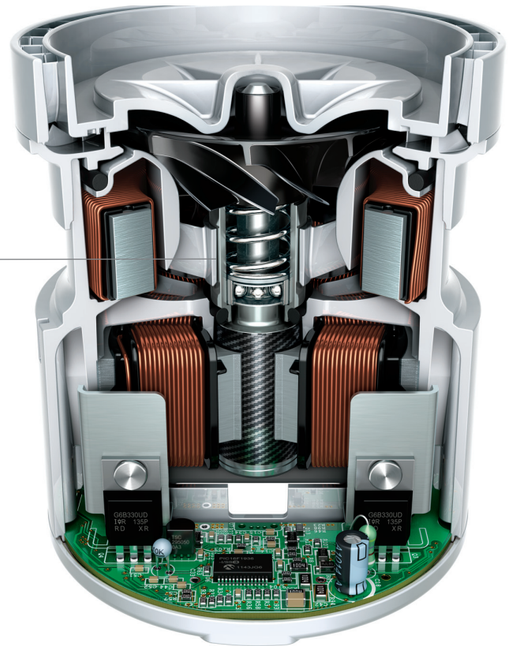
With strong construction and robust materials the Dyson Airblade Mk2 hand dryer is suitable for high-traffic, high-usage locations where vandalism can be an issue.

And because it uses 420 mph sheets of filtered air to dry hands, there is no heating element prone to wear and failure.



dyson airblade V

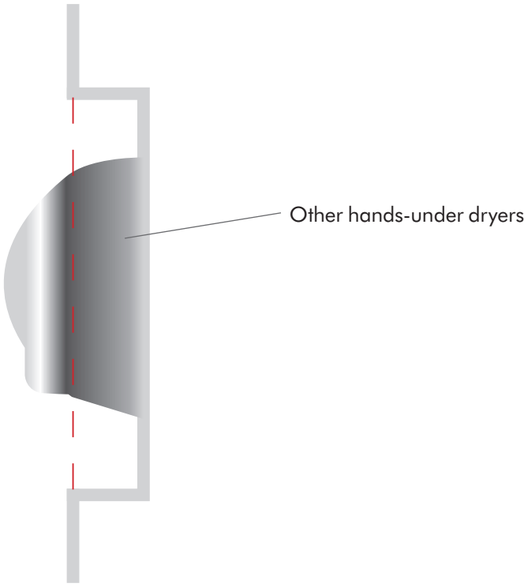




Actual size

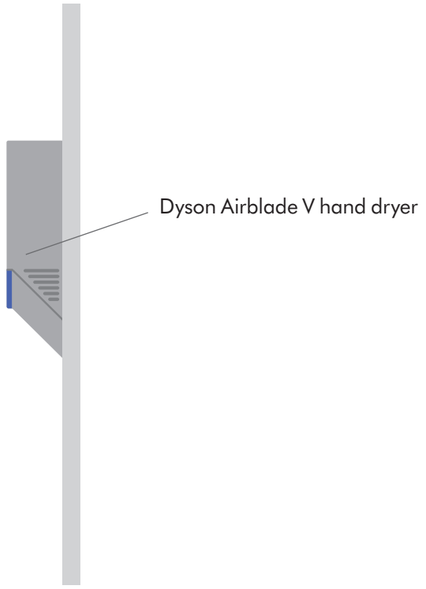
Concentrated, not compromised
Dyson engineers have developed one of the world's smallest 1400W motors, enabling them to build a hand dryer that protrudes just four inches from the wall. It dries hands hygienically, in 12 seconds.

The Dyson digital motor V4
The impeller spins 92,000 times a minutes – generating enough power to draw in up to 28 liters of air per second. With fully-integrated mechanical, electrical and aerodynamic systems, it's a high efficiency, power dense package with a diameter of just over 3 inches.



In the wall

Because of bulky motors, other hand dryers may protrude too far from the wall to comply with the Americans with Disabilities Act. Facilities may have to recess them into the wall, which can be costly.



On the wall

The Dyson Airblade V hand dryer is just four inches deep, so it complies with the Americans with Disabilities Act. It can be installed without additional recessing costs.

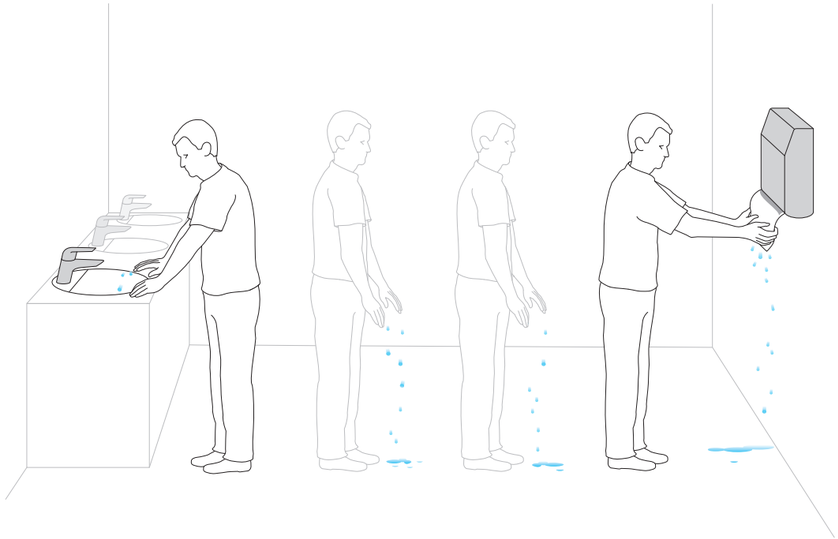
dyson airblade tap

Wash and dry hands at the sink

With Airblade™ technology in a tap, hands can be dried at the sink in 14 seconds. No need to move to a separate drying area.

How it works

Both water and air are sensor operated, so there are no taps to turn or buttons to touch. Intelligent infrared sensors emit light to pinpoint hand positions. Computer circuitry coordinates the information and initiates the appropriate response of water or air without long delays. It's been tested for 365,000 cycles, and is mains powered, so there are no batteries to run out.



Water on the floor

Moving to a separate hand drying area with wet hands means water can be dripped on the floor. This can create problems in the restroom.

Water in the sink

With the Dyson Airblade Tap hand dryer water isn't dripped on the floor because you don't need to leave the sink with wet hands.

How it works

1 Hands placed under sensors – touch free start.

2 Dirty restroom air is sucked in by the Dyson digital motor V4.

3 It passes through a HEPA filter, removing 99.97% of the bacteria at 0.3 microns from the air used to dry hands.

4 The filtered air passes over the electronics, cooling them.

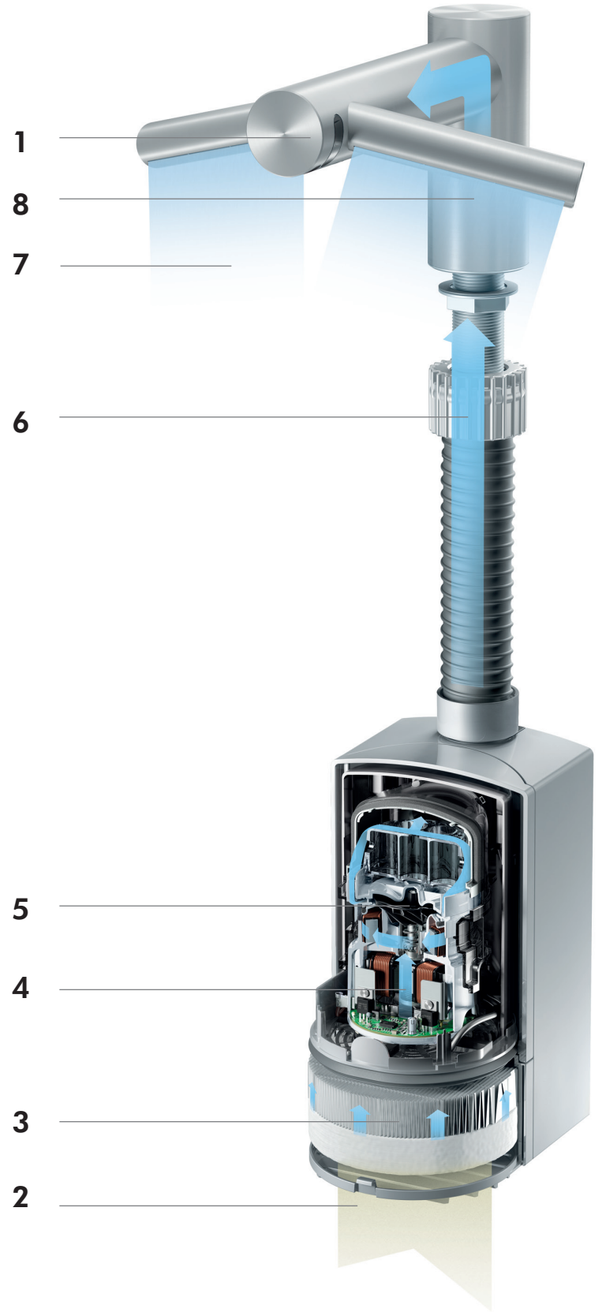
5 The air then reaches the motor, which channels it up and through the machine.

6 Air passes into the air hose.

7 It's then forced through apertures – creating sheets of air traveling at 420 mph.

8 The sheets of air literally scrape water from hands simultaneously.

Hands are dried hygienically in 14 seconds.



dyson airblade Mk2

AB 06 Aluminum

Suits all restrooms, particularly recommended for high traffic areas or where vandalism is a concern.

Silver

Powered by the latest Dyson digital motor

12 second dry time
Sheets of air traveling at 420 mph scrape water from the front and back of hands, simultaneously.

The most hygienic hand dryer
A HEPA filter removes 99.97% of bacteria at 0.3 microns from the air used to dry hands.

Costs less to run[1]
Dries 18 pairs of hands for the price of a single paper towel.

NSF-approved
No other hand dryers meet every part of NSF Protocol P335.

Approved by HACCP International
Hygienically safe for use in the food and beverage industry.

Small carbon footprint[2]
Produces up to 67% less CO_2 per dry than recycled paper towels and up to 71% less than some other warm air hand dryers.

Touch-free operation
Infrared sensors operate air.

Antimicrobial coating
Sealed casing infused with antimicrobial additives to protect the product.

Tough and durable
Robust, vandal-proof design.

5 year parts and first year limited labor warranty

1 For calculations visit www.dysonairblade.com/calcs

2 Based on LCA results of Dyson Airblade™ hand dryers derived by Dyson using method developed in conjunction with Carbon Trust, and comparable results from T. Montalbo, J.Gregory, R.Kirchain. Life Cycle Assessment of Hand Drying Systems, a Dyson commissioned study 2011. Data taken from U.S. environmental statistics including electricity grid mix and recycling practices and relating to models AB02 and AB04.

dyson airblade V

AB 12

Suitable for smaller restrooms or tighter spaces.

Sprayed nickel

White

Concentrated Airblade™ hand drying technology

Slim profile
Protrudes just four inches from the wall. No recessing required. ADA compliant.

12 second dry time
Sheets of air travelling at 420 mph scrape water from hands like a windshield wiper.

The most hygienic hand dryer
A HEPA filter removes 99.97% of bacteria at 0.3 microns from the air used to dry hands.

Costs less to run[1]
Dries 17 pairs of hands for the price of a single paper towel.

NSF-approved
No other hand dryers meet every part of NSF Protocol P335.

Small carbon footprint[2]
Produces up to 66% less CO_2 per dry than recycled paper towels and up to 70% less than some other warm air hand dryers.

60% smaller
The same drying performance as the original Dyson Airblade™ hand dryer but 60% smaller.

Dries each hand separately
V-configuration separates hands, drying them quickly and evenly.

Touch-free operation
Capacitive sensors activate air.

Antimicrobial coating
Sealed casing infused with antimicrobial additives to protect the product.

Easy to service
Safe electrical disconnect.

Quick to clean
Small surface area. Smooth single-piece fascia with CNC-machined air slots.

5 year parts and 5 year limited labor warranty

1 For calculations visit www.dysonairblade.com/calcs

2 Based on LCA results of Dyson Airblade™ hand dryers derived by Dyson using method developed in conjunction with Carbon Trust, and comparable results from T. Montalbo, J.Gregory, R.Kirchain. Life Cycle Assessment of Hand Drying Systems, a Dyson commissioned study 2011. Data taken from U.S. environmental statistics including electricity grid mix and recycling practices and relating to models AB02 and AB04.

dyson airblade tap

AB 09 Short

Suitable for minimalistic restrooms, new or fully-refurbished.

AB 10 Long

AB 11 Wall

Visit dysonairblade.com/architects to download CAD drawings and see technical data.

Airblade™ hand drying technology in a tap

Wash and dry hands at the sink
Water and air from the tap.

14 second dry time
Sheets of air travelling at 420 mph scrape water from hands like a windshield wiper.

The most hygienic hand dryer
A HEPA filter removes 99.97% of bacteria at 0.3 microns from the air used to dry hands.

Costs less to run[1]
Dries 15 pairs of hands for the price of a single paper towel.

Small carbon footprint[2]
Produces up to 63% less CO_2 per dry than recycled paper towels and up to 67% less than some other warm air hand dryers.

No water on the floor
There's no need to leave the sink to dry hands, so water isn't dripped onto the floor.

Saves space
No separate hand drying area needed.

Touch-free operation
Intelligent, infrared sensors activate water and air.

Saves water
Controlled water flow rate and sensor operation can help save water.

Easy to service
Quick to disconnect motor bucket and filter.

Quick to clean
Smooth, stainless steel outer, wipes down directly over the sink – no separate hand dryers to clean.

5 year parts and 5 year limited labor warranty

1 For calculations visit www.dysonairblade.com/calcs

2 Based on LCA results of Dyson Airblade™ hand dryers derived by Dyson using method developed in conjunction with Carbon Trust, and comparable results from T. Montalbo, J.Gregory, R.Kirchain. Life Cycle Assessment of Hand Drying Systems, a Dyson commissioned study 2011. Data taken from U.S. environmental statistics including electricity grid mix and recycling practices and relating to models AB02 and AB04.

dyson airblade

AB 04

AB04 is made from a tough, ABS polycarbonate for regular restrooms.

Gray

White

The original Dyson Airblade™ hand dryer.

Fast dry time
It dries hands in 12 seconds – scraping water from the front and back of hands, simultaneously.

The most hygienic hand dryer
A HEPA filter removes 99.97% of bacteria at 0.3 microns from the air used to dry hands.

Costs less to run[1]
Dries 19 pairs of hands for the price of a single paper towel.

NSF-approved
No other hand dryers meet every part of NSF Protocol P335.

Approved by HACCP International
Hygienically safe for use in the food and beverage industry.

Small carbon footprint[2]
Produces up to 69% less CO_2 per dry than recycled paper towels and up to 73% less than some other warm air hand dryers.

Touch-free operation
Infrared sensors operate air.

Antimicrobial coating
Sealed casing infused with antimicrobial additives to protect the product.

Tough and durable
Robust, vandal-proof design.

5 year parts and first year limited labor warranty

1 For calculations visit www.dysonairblade.com/calcs

2 Based on LCA results of Dyson Airblade™ hand dryer with method developed in conjunction with Carbon Trust, and comparable results from T. Montalbo, J.Gregory, R.Kirchain. Life Cycle Assessment of Hand Drying Systems. A Dyson commissioned study 2011. Data taken from U.S. environmental statistics including electricity grid mix and recycling practices and relating to models AB02 and AB04.

dyson airblade

The fastest, most hygienic hand dryers.

Call to order or for details of Dyson's installation, service, terms and conditions.

Call:

1-888-397-6622

Email:

airbladeinfo@dyson.com

Visit:

www.dyson.com/handdryers

NSF

TESTED. CERTIFIED. HYGIENIC

Applies to Dyson Airblade Mk2, Dyson Airblade V and AB02 and AB04.

reducing with the Carbon Trust

CO2

We have committed to reduce the carbon footprint of this product

carbon-label.com

Applies to all Dyson Airblade™ hand dryers including AB02 and AB04.

HACCP INTERNATIONAL FOOD SAFETY PROGRAMME CERTIFICATION

"HACCP International certifies the Dyson Airblade™ hand dryer as appropriate for use in food facilities that operate in accordance with an HACCP based Food Safety Programme. The only hand dryer that's HACCP approved."

Applies to Dyson Airblade Mk2 and AB02.

US1252025 01.31.13 ©2013 DYSON

Printed on 100% recycled paper using soy-based inks.

The Carbon Reduction Label is the registered trade mark of the Carbon Trust. Licensed by Dyson.